

Converting Colors

CIELCh(59, 73.360, 196.473)

Have a look what the booklet for
CIELCh(59, 73.360, 196.473)
contains.

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Color

CIELCh(64, 36.378, 201.856)

Conversions

Conversions Part 1

Format	Color
Hex	05ACB2
RGB	5, 172, 178
RGB Percent	2%, 67%, 70%
CMY	0.9795, 0.3250, 0.3015
CMYK	0.97, 0.03, 0.00, 0.30
HSL	182°, 94%, 36%
HSV	182°, 97%, 70%
XYZ	22.8865, 32.8017, 47.3022
YIQ	122.7510, -101.4580, -33.5380

Conversions

Conversions Part 2

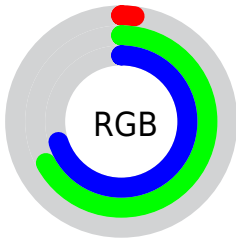
Format	Color
RYB	5, 90, 178
Decimal	371890
CIELab	64.00, -33.76, -13.54
CIELCh	64, 36.378, 201.856
Yxy	32.8017, 0.2222, 0.3185
Android (android.graphics.Color)	4278561970 (0xFF05ACB2)
YUV	122.7510, 27.2378, -103.2676
Hunter-Lab	57.2727, -28.8978, -8.8774

Details

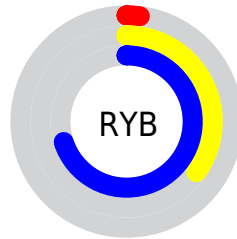
The CIELCh color **64, 36.378, 201.856** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **37, 77.690, 39.492**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 36.281, 202.107**, and **45, 27.770, 204.050** is the 20% darker color. If you saturate the color by 10%, you get **64, 36.511, 201.988**, and if you desaturate by 10%, it is **64, 35.746, 201.432**.

Distribution



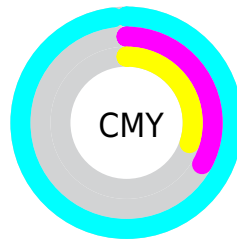
- Red (2%)
- Green (67%)
- Blue (70%)



- Red (2%)
- Yellow (35%)
- Blue (70%)



- Cyan (97%)
- Magenta (3%)
- Yellow (0%)
- Black (30%)





- Cyan (98%)
- Magenta (33%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 36.378, 201.856 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 64, 36.378, 201.856 by changing the saturation by 10% instead.

 64, 36.378,
201.856


 64, 36.378,
201.856


 100, 36.378,
201.856


 54, 36.378,
201.856


 84, 36.378,
201.856

 44, 36.378,
201.856

 94, 36.378,
201.856

 34, 36.378,
201.856

 24, 36.378,
201.856

 14, 36.378,
201.856

 4, 36.378, 201.856

 0, 36.378, 201.856

■ 64, 36.378,
201.856

■ 64, 36.378,
201.856

■ 64, 36.511,
201.988

■ 64, 35.746,
201.432

■ 65, 34.413,
201.135

■ 65, 32.284,
200.967

■ 66, 29.340,
200.922

■ 67, 25.613,
200.990

■ 68, 21.169,
201.158

■ 69, 16.096,
201.416

■ 70, 10.495,

201.757

■ 72, 4.467, 202.208

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64, 36.378, 201.856



37, 77.690, 39.492

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 36.378, 201.856



64, 36.378, 251.856



64, 36.378, 21.856



64, 36.378, 71.856

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64, 36.377, 201.855



87, 21.186, 201.346



63, 90.190, 136.409



46, 14.409, 201.235



96, 0.011, 296.813



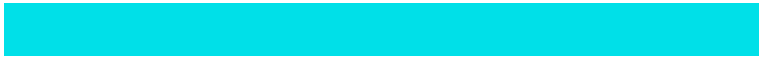
49, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64, 36.377, 201.855



81, 44.470, 202.090



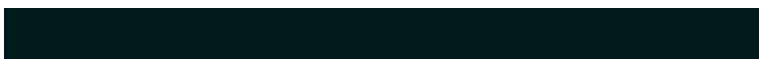
38, 56.956, 285.865



37, 3.564, 202.089



55, 32.658, 201.918



7, 8.671, 203.773

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42, 85.407, 329.597



55, 104.687, 329.680



50, 62.996, 64.198



35, 6.594, 325.868



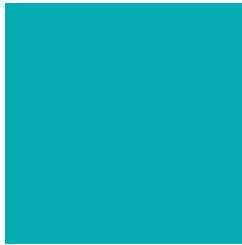
36, 76.843, 329.637



3, 15.686, 325.885

Previews

White Background



This preview shows how the CIELCh color 64, 36.378, 201.856 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 64, 36.378, 201.856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

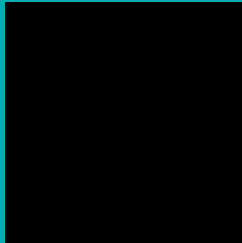
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

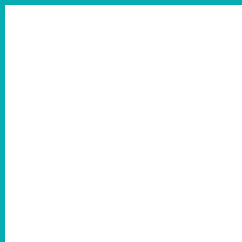
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 36.378, 201.856

Background



This preview shows how black text looks on a background with the CIELCh color 64, 36.378, 201.856.

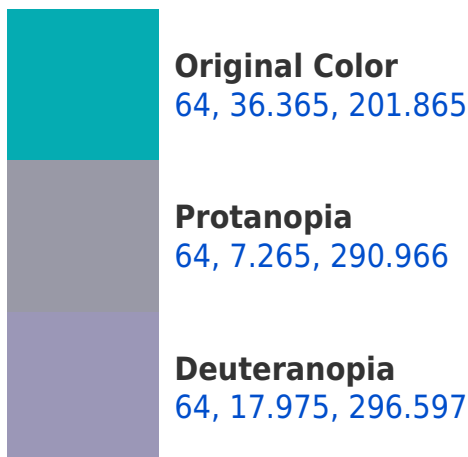


This preview shows how white text looks on a background with the CIELCh color 64, 36.378, 201.856.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
64, 34.773, 209.894

Trichromacy



Original Color
64, 36.365, 201.865



Protanomaly
62, 20.512, 213.791



Deuteranomaly
62, 21.669, 233.086



Tritanomaly
64, 35.294, 206.802

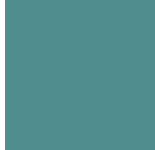
Monochromacy



Original Color
64, 36.365, 201.865



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 20.490, 200.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 36.378, 201.856 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(5, 172, 178)` looks like.

```
.text, #text, p{  
    color:rgb(5, 172, 178)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(5, 172, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 172, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 36.378, 201.856 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(5, 172, 178) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(5, 172, 178) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(5, 172, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 172, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 172, 178);  
box-shadow:4px 4px 4px 4px rgb(5, 172,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 36.378, 201.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 172, 178) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(5, 172,  
178) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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